

CLAIMS

We claim:

1. A device for securing an end of an elongated load bearing member in an elevator system, comprising:
 - a socket portion;
 - a wedge portion that is at least partially received within the socket portion such that a portion of the elongated load bearing member is received between the socket portion and the wedge portion; and
 - at least one brace member that secures the wedge portion within the socket portion.
2. The device of claim 1, wherein the socket portion is an extruded metal piece.
3. The device of claim 1, wherein the wedge portion is an extruded metal piece.
4. The device of claim 1, wherein the socket portion and the wedge portion have a constant cross sectional profile.
5. The device of claim 1, wherein the brace member comprises a U-bolt.
6. The device of claim 5, wherein the socket portion includes a receiver portion that receives a corresponding portion of the U-bolt and permits the U-bolt to move about the axis of the corresponding portion relative to the socket portion.
7. The device of claim 6, including a securing member that secures a terminal end of the elongated load bearing member against an outer surface on the socket portion.
8. The device of claim 7, wherein the securing member comprises a spring clip.

9. The device of claim 8, wherein the spring clip includes a plurality of slots for receiving a portion of the U-bolt as the U-bolt is moved relative to the socket portion.

10. The device of claim 1, wherein the brace is an extruded metal piece that is received at least partially around the socket.

11. The device of claim 10, wherein the socket includes a projection that operates to hold the brace in place on the socket.

12. The device of claim 1, wherein the brace includes an opening through at least one sidewall of the brace and the wedge portion includes an opening, the openings being situated such that a tool can be received into the openings and utilized to manipulate the wedge portion relative to the brace.

13. A device for securing an end of an elongated load bearing member in an elevator system, comprising:

an extruded socket portion; and

an extruded wedge portion that is at least partially received within the socket portion such that a portion of the elongated load bearing member is received between the socket portion and the wedge portion.

14. The device of claim 13, including at least one brace member that secures the wedge portion within the socket portion.

15. The device of claim 14, wherein the brace member is an extruded metal piece.

16. The device of claim 15, wherein the socket includes a projection that operates to hold the brace in place on the socket.

17. The device of claim 15, wherein the brace includes an opening through at least one sidewall of the brace and the wedge portion includes an opening, the openings being situated such that a tool can be received into the openings and utilized to manipulate the wedge portion relative to the brace.

18. The device of claim 13, wherein the socket portion includes a first and a second leg, the first leg being obliquely oriented relative to the second leg and being moveable into a generally parallel alignment with the second leg responsive to movement of the wedge portion within the socket portion.

19. The device of claim 13, including a brace portion that secures the wedge portion within the socket portion and wherein the brace portion includes a load bearing member engaging surface that is adapted to secure a portion of the load bearing member between the brace member and the socket portion.